

pJLA604Not

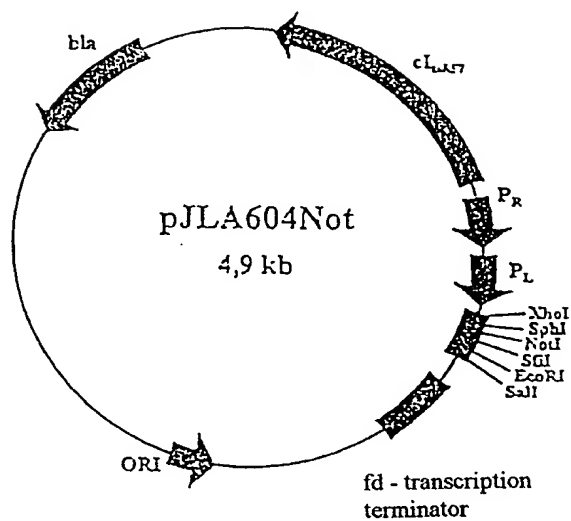


Fig. 2.1

pMSK12

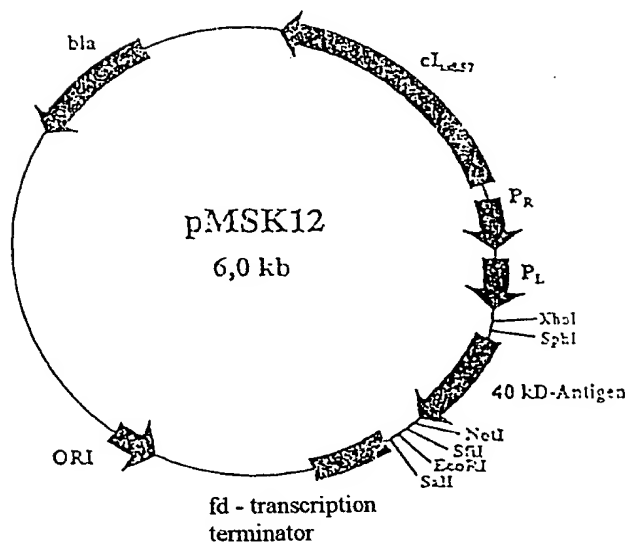


Fig. 2.2

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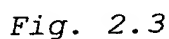
[illegible]

Fig. 2.3

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Name	Sequence	Orientation
AlaDH-F1	5'-ATGCGCGTCGGTATTCCG-3'	forward
AlaDH-F1+	5'-GCGCGTCGGTATTCCGACCG-3'	forward
AlaDH-F2	5'-GAGACCAAAAACAACGAA-3'	forward
AlaDH-F4	5'-GAATTCCCATCAGCAATCTTGCAGA-3'	forward
AlaDH-F5	5'-GCCCGATGAGCGAAGTC-3'	forward
AlaDH-F6	5'-GGGGCCGTCCTGGTGCC-3'	forward
AlaDH-F7	5'-GACGTCGACCTACGCGCTGAC-3'	forward
AlaDH-R1	5'-CTCGGTGAACGGCACCCC-3'	reverse
AlaDH-R2	5'-GGCCAGCACGCTGGCGGG-3'	reverse
AlaDH-R3	5'-CACCCGTTCCGACAGTAA-3'	reverse
AlaDH-R4	5'-CGCGGCCGACATCATCGC-3'	reverse
AlaDH-R5	5'-GGCCGACATCATCGCTTCCC-3'	reverse
AlaDH-R6	5'-CGAGACTAATTTGGGTGCCTTGGC-3'	reverse
AlaDH-R7	5'-ATTTGGGTGCCTTGGC-3'	reverse
AlaDH-RM	5'-GGCGGCGAGTCGACCGGC-3'	reverse

Fig. 2.5

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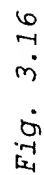


Fig. 3.16

Table 1. Demographic characteristics of the study population	
Age (years)	50.0 ± 10.0
Gender	
Male	50.0%
Female	50.0%
Education (years)	12.0 ± 2.0
Marital status	
Married	80.0%
Single	20.0%
Occupation	
Professional	30.0%
Managerial	20.0%
Technical	10.0%
Service	20.0%
Unemployed	20.0%
Income (USD/month)	1000.0 ± 500.0
Health status	
Good	70.0%
Fair	20.0%
Poor	10.0%

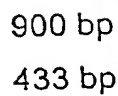
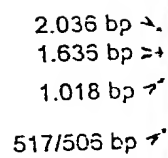


Fig. 3.18



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Fig. 3.19

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40kD	-60	ATCTTGCAGA	TTAATCGAAC	TTTCTTCACA	CTGAAGCGTA	CAGTATCGAG	AGGGGTAAATC	-1
Tub1	-60	ATCTTGCAGA	TTAATCGAAC	TTTCTTCACA	CTGAAGCGTA	CAGTATCGAG	AGGGGTAAATC	-1
H37Rv	-60	ATCTTGCAGA	TTAATCGAAC	TTTCTTCATA	CTGAAGCGTA	CAGTATCGAG	AGGGGTAAATC	-1
H37Ra	-60	ATCTTGCAGA	TTAATCGAAC	TTTCTTCATA	CTGAAGCGTA	CAGTATCGAG	AGGGGTAAATC	-1
BCG4	-60	ATCTTGCAGA	TTAATCGAAC	TTTCTTCACA	CTGAAGCGTA	CAGTATCGAG	AGGGGTAAATC	-1
BCG2	-60	ATCTTGCAGA	TTAATCGAAC	TTTCTTCACA	CTGAAGCGTA	CAGTATCGAG	AGGGGTAAATC	-1
Bov3	-60	ATCTTGCAGA	TTAATCGAAC	TTTCTTCACA	CTGAAGCGTA	CAGTATCGAG	AGGGGTAAATC	-1
Afr1	-60	ATCTTGCAGA	TTAATCGAAC	TTTCTTCACA	CTGAAGCGTA	CAGTATCGAG	AGGGGTAAATC	-1
Mic1	-60	ATCTTGCAGA	TTAATCGAAC	TTTCTTCACA	CTGAAGCGTA	CAGTATCGAG	AGGGGTAAATC	-1

Start		*****						
40kD	1	ATGCGCGTCG	GTATTCCGAC	CGAGACCAA	AACAACGAAT	TCCATTCGG	GSTGGCCATC	60
Tub1	1	ATGCGCGTCG	GTATTCCGAC	CGAGACCAA	AACAACG---	---AATTCGG	GSTGGCCATC	60
H37Rv	1	ATGCGCGTCG	GTATTCCGAC	CGAGACCAA	AACAACG---	---AATTCGG	GSTGGCCATC	60
H37Ra	1	ATGCGCGTCG	GTATTCCGAC	CGAGACCAA	AACAACG---	---AATTCGG	GSTGGCCATC	60
BCG4	1	ATGCGCGTCG	GTATTCCGAC	CGAGACCAA	AACAACG---	---AATTCGG	GSTGGCCATC	60
BCG2	1	ATGCGCGTCG	GTATTCCGAC	CGAGACCAA	AACAACG---	---AATTCGG	GSTGGCCATC	60
Bov3	1	ATGCGCGTCG	GTATTCCGAC	CGAGACCAA	AACAACG---	---AATTCGG	GSTGGCCATC	60
Afr1	1	ATGCGCGTCG	GTATTCCGAC	CGAGACCAA	AACAACG---	---AATTCGG	GSTGGCCATC	60
Mic1	1	ATGCGCGTCG	GTATTCCGAC	CGAGACCAA	AACAACG---	---AATTCGG	GSTGGCCATC	60

40kD	61	ACCCCGGCCG	GCGTCGCGGA	ACTAACCCGT	CGTGGCCATG	AGGTGCTCAT	CCAGGCAGGT	120
Tub1	61	ACCCCGGCCG	GCGTCGCGGA	ACTAACCCGT	CGTGGCCATG	AGGTGCTCAT	CCAGGCAGGT	120
H37Rv	61	ACCCCGGCCG	GCGTCGCGGA	ACTAACCCGT	CGTGGCCATG	AGGTGCTCAT	CCAGGCAGGT	120
H37Ra	61	ACCCCGGCCG	GCGTCGCGGA	ACTAACCCGT	CGTGGCCATG	AGGTGCTCAT	CCAGGCAGGT	120
BCG4	61	ACCCCGGCCG	GCGTCGCGGA	ACTAACCCGT	CGTGGCCATG	AGGTGCTCAT	CCAGGCAGGT	120
BCG2	61	ACCCCGGCCG	GCGTCGCGGA	ACTAACCCGT	CGTGGCCATG	AGGTGCTCAT	CCAGGCAGGT	120
Bov3	61	ACCCCGGCCG	GCGTCGCGGA	ACTAACCCGT	CGTGGCCATG	AGGTGCTCAT	CCAGGCAGGT	120
Afr1	61	ACCCCGGCCG	GCGTCGCGGA	ACTAACCCGT	CGTGGCCATG	AGGTGCTCAT	CCAGGCAGGT	120
Mic1	61	ACCCCGGCCG	GCGTCGCGGA	ACTAACCCGT	CGTGGCCATG	AGGTGCTCAT	CCAGGCAGGT	120

40kD	121	GCCGGAGAGG	GCTCGGCTAT	CACCGACGCG	GATTTCAAGG	CGGCAGGCGC	GCAACTGGTC	180
Tub1	121	GCCGGAGAGG	GCTCGGCTAT	CACCGACGCG	GATTTCAAGG	CGGCAGGCGC	GCAACTGGTC	180
H37Rv	121	GCCGGAGAGG	GCTCGGCTAT	CACCGACGCG	GATTTCAAGG	CGGCAGGCGC	GCAACTGGTC	180
H37Ra	121	GCCGGAGAGG	GCTCGGCTAT	CACCGACGCG	GATTTCAAGG	CGGCAGGCGC	GCAACTGGTC	180
BCG4	121	GCCGGAGAGG	GCTCGGCTAT	CACCGACGCG	GATTTCAAGG	CGGCAGGCGC	GCAACTGGTC	180
BCG2	121	GCCGGAGAGG	GCTCGGCTAT	CACCGACGCG	GATTTCAAGG	CGGCAGGCGC	GCAACTGGTC	180
Bov3	121	GCCGGAGAGG	GCTCGGCTAT	CACCGACGCG	GATTTCAAGG	CGGCAGGCGC	GCAACTGGTC	180
Afr1	121	GCCGGAGAGG	GCTCGGCTAT	CACCGACGCG	GATTTCAAGG	CGGCAGGCGC	GCAACTGGTC	180
Mic1	121	GCCGGAGAGG	GCTCGGCTAT	CACCGACGCG	GATTTCAAGG	CGGCAGGCGC	GCAACTGGTC	180

40kD	181	GGCACCGCCG	ACCAGGTGTG	GGCCGACGCT	GATTTATTGC	TCAAGGTCAA	AGAACCGATA	240
Tub1	181	GGCACCGCCG	ACCAGGTGTG	GGCCGACGCT	GATTTATTGC	TCAAGGTCAA	AGAACCGATA	240
H37Rv	181	GGCACCGCCG	ACCAGGTGTG	GGCCGACGCT	GATTTATTGC	TCAAGGTCAA	AGAACCGATA	240
H37Ra	181	GGCACCGCCG	ACCAGGTGTG	GGCCGACGCT	GATTTATTGC	TCAAGGTCAA	AGAACCGATA	240
BCG4	181	GGCACCGCCG	ACCAGGTGTG	GGCCGACGCT	GATTTATTGC	TCAAGGTCAA	AGAACCGATA	240
BCG2	181	GGCACCGCCG	ACCAGGTGTG	GGCCGACGCT	GATTTATTGC	TCAAGGTCAA	AGAACCGATA	240
Bov3	181	GGCACCGCCG	ACCAGGTGTG	GGCCGACGCT	GATTTATTGC	TCAAGGTCAA	AGAACCGATA	240
Afr1	181	GGCACCGCCG	ACCAGGTGTG	GGCCGACGCT	GATTTATTGC	TCAAGGTCAA	AGAACCGATA	240
Mic1	181	GGCACCGCCG	ACCAGGTGTG	GGCCGACGCT	GATTTATTGC	TCAAGGTCAA	AGAACCGATA	240

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40kD	241	GCGGCGGAAT	ACGGCCGCCT	GCGACACGGG	CAGATCTTGT	TCACGTTCTT	GCATTTGGCC	300
Tub1	241	GCGGCGGAAT	ACGGCCGCCT	GCGACACGGG	CAGATCTTGT	TCACGTTCTT	GCATTTGGCC	300
H37Rv	241	GCGGCGGAAT	ACGGCCGCCT	GCGACACGGG	CAGATCTTGT	TCACGTTCTT	GCATTTGGCC	300
H37Ra	241	GCGGCGGAAT	ACGGCCGCCT	GCGACACGGG	CAGATCTTGT	TCACGTTCTT	GCATTTGGCC	300
BCG4	241	GCGGCGGAAT	ACGGCCGCCT	GCGACACGGG	C-GATCTTGT	TCACGTTCTT	GCATTTGGCC	300
BCG2	241	GCGGCGGAAT	ACGGCCGCCT	GCGACACGGG	C-GATCTTGT	TCACGTTCTT	GCATTTGGCC	300
Bov3	241	GCGGCGGAAT	ACGGCCGCCT	GCGACACGGG	C-GATCTTGT	TCACGTTCTT	GCATTTGGCC	300
Afr1	241	GCGGCGGAAT	ACGGCCGCCT	GCGACACGGG	CAGATCTTGT	TCACGTTCTT	GCATTTGGCC	300
Mic1	241	GCGGCGGAAT	ACGGCCGCCT	GCGACACGGG	CAGATCTTGT	TCACGTTCTT	GCATTTGGCC	300

40kD	301	GCGTCACGTG	CTTGCAACCGA	TGCGTTGTTG	GATTCCGGCA	CCACGTCAAT	TGCCTACGAG	360
Tub1	301	GCGTCACGTG	CTTGCAACCGA	TGCGTTGTTG	GATTCCGGCA	CCACGTCAAT	TGCCTACGAG	360
H37Rv	301	GCGTCACGTG	CTTGCAACCGA	TGCGTTGTTG	GATTCCGGCA	CCACGTCAAT	TGCCTACGAG	360
H37Ra	301	GCGTCACGTG	CTTGCAACCGA	TGCGTTGTTG	GATTCCGGCA	CCACGTCAAT	TGCCTACGAG	360
BCG4	301	GCGTCACGTG	CTTGCAACCGA	TGCGTTGTTG	GATTCCGGCA	CCACGTCAAT	TGCCTACGAG	360
BCG2	301	GCGTCACGTG	CTTGCAACCGA	TGCGTTGTTG	GATTCCGGCA	CCACGTCAAT	TGCCTACGAG	360
Bov3	301	GCGTCACGTG	CTTGCAACCGA	TGCGTTGTTG	GATTCCGGCA	CCACGTCAAT	TGCCTACGAG	360
Afr1	301	GCGTCACGTG	CTTGCAACCGA	TGCGTTGTTG	GATTCCGGCA	CCACGTCAAT	TGCCTACGAG	360
Mic1	301	GCGTCACGTG	CTTGCAACCGA	TGCGTTGTTG	GATTCCGGCA	CCACGTCAAT	TGCCTACGAG	360

40kD	361	ACCGTCCAGA	CCGCCGACGG	CGCACTACCC	CTGCTTGCCC	CGATGAGCGA	AGTCGCCGGT	420
Tub1	361	ACCGTCCAGA	CCGCCGACGG	CGCACTACCC	CTGCTTGCCC	CGATGAGCGA	AGTCGCCGGT	420
H37Rv	361	ACCGTCCAGA	CCGCCGACGG	CGCACTACCC	CTGCTTGCCC	CGATGAGCGA	AGTCGCCGGT	420
H37Ra	361	ACCGTCCAGA	CCGCCGACGG	CGCACTACCC	CTGCTTGCCC	CGATGAGCGA	AGTCGCCGGT	420
BCG4	361	ACCGTCCAGA	CCGCCGACGG	CGCACTACCC	CTGCTTGCCC	CGATGAGCGA	AGTCGCCGGT	420
BCG2	361	ACCGTCCAGA	CCGCCGAAGG	CGCACTACCC	CTGCTTGCCC	CGATGAGCGA	AGTCGCCGGT	420
Bov3	361	ACCGTCCAGA	CCGCCGAAGG	CGCACTACCC	CTGCTTGCCC	CGATGAGCGA	AGTCGCCGGT	420
Afr1	361	ACCGTCCAGA	CCGCCGACGG	CGCACTACCC	CTGCTTGCCC	CGATGAGCGA	AGTCGCCGGT	420
Mic1	361	ACCGTCCAGA	CCGCCGACGG	CGCACTACCC	CTGCTTGCCC	CGATGAGCGA	AGTCGCCGGT	420

40kD	421	CGACTCGCCG	CCCAGGTTGG	CGCTTACCAC	CTGATGCGAA	CCCAAGGGGG	CCGCGGTGTG	480
Tub1	421	CGACTCGCCG	CCCAGGTTGG	CGCTTACCAC	CTGATGCGAA	CCCAAGGGGG	CCGCGGTGTG	480
H37Rv	421	CGACTCGCCG	CCCAGGTTGG	CGCTTACCAC	CTGATGCGAA	CCCAAGGGGG	CCGCGGTGTG	480
H37Ra	421	CGACTCGCCG	CCCAGGTTGG	CGCTTACCAC	CTGATGCGAA	CCCAAGGGGG	CCGCGGTGTG	480
BCG4	421	CGACTCGCCG	CCCAGGTTGG	CGCTTACCAC	CTGATGCGAA	CCCAAGGGGG	CCGCGGTGTG	480
BCG2	421	CGACTCGCCG	CCCAGGTTGG	CGCTTACCAC	CTGATGCGAA	CCCAAGGGGG	CCGCGGTGTG	480
Bov3	421	CGACTCGCCG	CCCAGGTTGG	CGCTTACCAC	CTGATGCGAA	CCCAAGGGGG	CCGCGGTGTG	480
Afr1	421	CGACTCGCCG	CCCAGGTTGG	CGCTTACCAC	CTGATGCGAA	CCCAAGGGGG	CCGCGGTGTG	480
Mic1	421	CGACTCGCCG	CCCAGGTTGG	CGCTTACCAC	CTGATGCGAA	CCCAAGGGGG	CCGCGGTGTG	480

40kD	481	CTGATGGGCG	GGGTGCCCGG	CGTCGAACCG	GCCGACGTCC	TGGTGATCCG	CGCCGGCACC	540
Tub1	481	CTGATGGGCG	GGGTGCCCGG	CGTCGAACCG	GCCGACGTCC	TGGTGATCCG	CGCCGGCACC	540
H37Rv	481	CTGATGGGCG	GGGTGCCCGG	CGTCGAACCG	GCCGACGTCC	TGGTGATCCG	CGCCGGCACC	540
H37Ra	481	CTGATGGGCG	GGGTGCCCGG	CGTCGAACCG	GCCGACGTCC	TGGTGATCCG	CGCCGGCACC	540
BCG4	481	CTGATGGGCG	GGGTGCCCGG	CGTCGAACCG	GCCGACGTCC	TGGTGATCCG	CGCCGGCACC	540
BCG2	481	CTGATGGGCG	GGGTGCCCGG	CGTCGAACCG	GCCGACGTCC	TGGTGATCCG	CGCCGGCACC	540
Bov3	481	CTGATGGGCG	GGGTGCCCGG	CGTCGAACCG	GCCGACGTCC	TGGTGATCCG	CGCCGGCACC	540
Afr1	481	CTGATGGGCG	GGGTGCCCGG	CGTCGAACCG	GCCGACGTCC	TGGTGATCCG	CGCCGGCACC	540
Mic1	481	CTGATGGGCG	GGGTGCCCGG	CGTCGAACCG	GCCGACGTCC	TGGTGATCCG	CGCCGGCACC	540

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40kD	541	GCCGGCTACA	ACGCAGCCCCG	CATCGCCCAAC	GGCATGGGCG	CGACCGTTAC	GGTTCTAGAC	600
Tub1	541	GCCGGCTACA	ACGCAGCCCCG	CATCGCCCAAC	GGCATGGGCG	CGACCGTTAC	GGTTCTAGAC	600
H37Rv	541	GCCGGCTACA	ACGCAGCCCCG	CATCGCCCAAC	GGCATGGGCG	CGACCGTTAC	GGTTCTAGAC	600
H37Ra	541	GCCGGCTACA	ACGCAGCCCCG	CATCGCCCAAC	GGCATGGGCG	CGACCGTTAC	GGTTCTAGAC	600
BCG4	541	GCCGGCTACA	ACGCAGCCCCG	CATCGCCCAAC	GGCATGGGCG	CGACCGTTAC	GGTTCTAGAC	600
BCG2	541	GCCGGCTACA	ACGCAGCCCCG	CATCGCCCAAC	GGCATGGGCG	CGACCGTTAC	GGTTCTAGAC	600
Bov3	541	GCCGGCTACA	ACGCAGCCCCG	CATCGCCCAAC	GGCATGGGCG	CGACCGTTAC	GGTTCTAGAC	600
Afr1	541	GCCGGCTACA	ACGCAGCCCCG	CATCGCCCAAC	GGCATGGGCG	CGACCGTTAC	GGTTCTAGAC	600
Mic1	541	GCCGGCTACA	ACGCAGCCCCG	CATCGCCCAAC	GGCATGGGCG	CGACCGTTAC	GGTTCTAGAC	600

40kD	601	ATCAACATCG	ACAACTTCG	GCAACTCGAC	GCCGAGTTCT	GCGGCCGGAT	CCCACTCGC	660
Tub1	601	ATCAACATCG	ACAACTTCG	GCAACTCGAC	GCCGAGTTCT	GCGGCCGGAT	CCCACTCGC	660
H37Rv	601	ATCAACATCG	ACAACTTCG	GCAACTCGAC	GCCGAGTTCT	GCGGCCGGAT	CCCACTCGC	660
H37Ra	601	ATCAACATCG	ACAACTTCG	GCAACTCGAC	GCCGAGTTCT	GCGGCCGGAT	CCCACTCGC	660
BCG4	601	ATCAACATCG	ACAACTTCG	GCAACTCGAC	GCCGAGTTCT	GCGGCCGGAT	CCCACTCGC	660
BCG2	601	ATCAACATCG	ACAACTTCG	GCAACTCGAC	GCCGAGTTCT	GCGGCCGGAT	CCCACTCGC	660
Bov3	601	ATCAACATCG	ACAACTTCG	GCAACTCGAC	GCCGAGTTCT	GCGGCCGGAT	CCCACTCGC	660
Afr1	601	ATCAACATCG	ACAACTTCG	GCAACTCGAC	GCCGAGTTCT	GCGGCCGGAT	CCCACTCGC	660
Mic1	601	ATCAACATCG	ACAACTTCG	GCAACTCGAC	GCCGAGTTCT	GCGGCCGGAT	CCCACTCGC	660

40kD	661	TACTCATCGG	CCTACGAGCT	CGAGGGTGCC	GTCAAACGTG	CCGACCTGCT	GATTGGGGCC	720
Tub1	661	TACTCATCGG	CCTACGAGCT	CGAGGGTGCC	GTCAAACGTG	CCGACCTGCT	GATTGGGGCC	720
H37Rv	661	TACTCATCGG	CCTACGAGCT	CGAGGGTGCC	GTCAAACGTG	CCGACCTGCT	GATTGGGGCC	720
H37Ra	661	TACTCATCGG	CCTACGAGCT	CGAGGGTGCC	GTCAAACGTG	CCGACCTGCT	GATTGGGGCC	720
BCG4	661	TACTCATCGG	CCTACGAGCT	CGAGGGTGCC	GTCAAACGTG	CCGACCTGCT	GATTGGGGCC	720
BCG2	661	TACTCATCGG	CCTACGAGCT	CGAGGGTGCC	GTCAAACGTG	CCGACCTGCT	GATTGGGGCC	720
Bov3	661	TACTCATCGG	CCTACGAGCT	CGAGGGTGCC	GTCAAACGTG	CCGACCTGCT	GATTGGGGCC	720
Afr1	661	TACTCATCGG	CCTACGAGCT	CGAGGGTGCC	GTCAAACGTG	CCGACCTGCT	GATTGGGGCC	720
Mic1	661	TACTCATCGG	CCTACGAGCT	CGAGGGTGCC	GTCAAACGTG	CCGACCTGCT	GATTGGGGCC	720

40kD	721	GTCCTGGTGC	CAGGCGCCAA	GGCACCCAAA	TTAGTCTCGA	ATTCACTTGT	CGCGCATATG	780
Tub1	721	GTCCTGGTGC	CAGGCGCCAA	GGCACCCAAA	TTAGTCTCGA	ATTCACTTGT	CGCGCATATG	780
H37Rv	721	GTCCTGGTGC	CAGGCGCCAA	GGCACCCAAA	TTAGTCTCGA	ATTCACTTGT	CGCGCATATG	780
H37Ra	721	GTCCTGGTGC	CAGGCGCCAA	GGCACCCAAA	TTAGTCTCGA	ATTCACTTGT	CGCGCATATG	780
BCG4	721	GTCCTGGTGC	CAGGCGCCAA	GGCACCCAAA	TTAGTCTCGA	ATTCACTTGT	CGCGCATATG	780
BCG2	721	GTCCTGGTGC	CAGGCGCCAA	GGCACCCAAA	TTAGTCTCGA	ATTCACTTGT	CGCGCATATG	780
Bov3	721	GTCCTGGTGC	CAGGCGCCAA	GGCACCCAAA	TTAGTCTCGA	ATTCACTTGT	CGCGCATATG	780
Afr1	721	GTCCTGGTGC	CAGGCGCCAA	GGCACCCAAA	TTAGTCTCGA	ATTCACTTGT	CGCGCATATG	780
Mic1	721	GTCCTGGTGC	CAGGCGCCAA	GGCACCCAAA	TTAGTCTCGA	ATTCACTTGT	CGCGCATATG	780

40kD	781	AAACCAGGTG	CGGTACTGGT	GGATATAGCC	ATCGACCAGG	GCGGCTGTTT	CGAAGGCTCA	840
Tub1	781	AAACCAGGTG	CGGTACTGGT	GGATATAGCC	ATCGACCAGG	GCGGCTGTTT	CGAAGGCTCA	840
H37Rv	781	AAACCAGGTG	CGGTACTGGT	GGATATAGCC	ATCGACCAGG	GCGGCTGTTT	CGAAGGCTCA	840
H37Ra	781	AAACCAGGTG	CGGTACTGGT	GGATATAGCC	ATCGACCAGG	GCGGCTGTTT	CGAAGGCTCA	840
BCG4	781	AAACCAGGTG	CGGTACTGGT	GGATATAGCC	ATCGACCAGG	GCGGCTGTTT	CGAAGGCTCA	840
BCG2	781	AAACCAGGTG	CGGTACTGGT	GGATATAGCC	ATCGACCAGG	GCGGCTGTTT	CGAAGGCTCA	840
Bov3	781	AAACCAGGTG	CGGTACTGGT	GGATATAGCC	ATCGACCAGG	GCGGCTGTTT	CGAAGGCTCA	840
Afr1	781	AAACCAGGTG	CGGTACTGGT	GGATATAGCC	ATCGACCAGG	GCGGCTGTTT	CGAAGGCTCA	840
Mic1	781	AAACCAGGTG	CGGTACTGGT	GGATATAGCC	ATCGACCAGG	GCGGCTGTTT	CGAAGGCTCA	840

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40kD	841	CGACCGACCA	CCTACGACCA	CCCGACGTTT	GCCGTGCACG	ACACGCTGTT	TTACTGCGTG	900
Tub1	841	CGACCGACCA	CCTACGACCA	CCCGACGTTT	GCCGTGCACG	ACACGCTGTT	TTACTGCGTG	900
H37Rv	841	CGACCGACCA	CCTACGACCA	CCCGACGTTT	GCCGTGCACG	ACACGCTGTT	TTACTGCGTG	900
H37Ra	841	CGACCGACCA	CCTACGACCA	CCCGACGTTT	GCCGTGCACG	ACACGCTGTT	TTACTGCGTG	900
BCG4	841	CGACCGACCA	CCTACGACCA	CCCGACGTTT	GCCGTGCACG	ACACGCTGTT	TTACTGCGTG	900
BCG2	841	CGACCGACCA	CCTACGACCA	CCCGACGTTT	GCCGTGCACG	ACACGCTGTT	TTACTGCGTG	900
Bov3	841	CGACCGACCA	CCTACGACCA	CCCGACGTTT	GCCGTGCACG	ACACGCTGTT	TTACTGCGTG	900
Afr1	841	CGACCGACCA	CCTACGACCA	CCCGACGTTT	GCCGTGCACG	ACACGCTGTT	TTACTGCGTG	900
Mic1	841	CGACCGACCA	CCTACGACCA	CCCGACGTTT	GCCGTGCACG	ACACGCTGTT	TTACTGCGTG	900

40kD	901	GCGAACATGC	CCGCCTCGGT	GCCGAAGACG	TGCACCTACG	CGCTGACCAA	CGCGACGATG	960
Tub1	901	GCGAACATGC	CCGCCTCGGT	GCCGAAGACG	TGCACCTACG	CGCTGACCAA	CGCGACGATG	960
H37Rv	901	GCGAACATGC	CCGCCTCGGT	GCCGAAGACG	TGCACCTACG	CGCTGACCAA	CGCGACGATG	960
H37Ra	90	GCGAACATGC	CCGCCTCGGT	GCCGAAGACG	TGCACCTACG	CGCTGACCAA	CGCGACGATG	960
BCG4	90	GCGAACATGC	CCGCCTCGGT	GCCGAAGACG	TGCACCTACG	CGCTGACCAA	CGCGACGATG	960
BCG2	901	GCGAACATGC	CCGCCTCGGT	GCCGAAGACG	TGCACCTACG	CGCTGACCAA	CGCGACGATG	960
Bov3	901	GCGAACATGC	CCGCCTCGGT	GCCGAAGACG	TGCACCTACG	CGCTGACCAA	CGCGACGATG	960
Afr1	901	GCGAACATGC	CCGCCTCGGT	GCCGAAGACG	TGCACCTACG	CGCTGACCAA	CGCGACGATG	960
Mic1	901	GCGAACATGC	CCGCCTCGGT	GCCGAAGACG	TGCACCTACG	CGCTGACCAA	CGCGACGATG	960

40kD	961	CCGTATGTGC	TGCAGCTTGC	CGACCATGSC	TGGCGGGCGG	CGTGCCGGTC	GAATCCGGCA	1020
Tub1	961	CCGTATGTGC	TGCAGCTTGC	CGACCATGSC	TGGCGGGCGG	CGTGCCGGTC	GAATCCGGCA	1020
H37Rv	961	CCGTATGTGC	TGCAGCTTGC	CGACCATGSC	TGGCGGGCGG	CGTGCCGGTC	GAATCCGGCA	1020
H37Ra	961	CCGTATGTGC	TGCAGCTTGC	CGACCATGSC	TGGCGGGCGG	CGTGCCGGTC	GAATCCGGCA	1020
BCG4	961	CCGTATGTGC	TGCAGCTTGC	CGACCATGSC	TGGCGGGCGG	CGTGCCGGTC	GAATCCGGCA	1020
BCG2	961	CCGTATGTGC	TGCAGCTTGC	CGACCATGSC	TGGCGGGCGG	CGTGCCGGTC	GAATCCGGCA	1020
Bov3	961	CCGTATGTGC	TGCAGCTTGC	CGACCATGSC	TGGCGGGCGG	CGTGCCGGTC	GAATCCGGCA	1020
Afr1	961	CCGTATGTGC	TGCAGCTTGC	CGACCATGSC	TGGCGGGCGG	CGTGCCGGTC	GAATCCGGCA	1020
Mic1	961	CCGTATGTGC	TGCAGCTTGC	CGACCATGSC	TGGCGGGCGG	CGTGCCGGTC	GAATCCGGCA	1020

40kD	1021	CTAGCCAAAG	GTCTTTTCGAC	GCACGAAGGG	GCGTTACTGT	CCGAACGGGT	GGCCACCGAC	1080
Tub1	1021	CTAGCCAAAG	GTCTTTTCGAC	GCACGAAGGG	GCGTTACTGT	CCGAACGGGT	GGCCACCGAC	1080
H37Rv	1021	CTAGCCAAAG	GTCTTTTCGAC	GCACGAAGGG	GCGTTACTGT	CCGAACGGGT	GGCCACCGAC	1080
H37Ra	1021	CTAGCCAAAG	GTCTTTTCGAC	GCACGAAGGG	GCGTTACTGT	CCGAACGGGT	GGCCACCGAC	1080
BCG4	1021	CTAGCCAAAG	GTCTTTTCGAC	GCACGAAGGG	GCGTTACTGT	CCGAACGGGT	GGCCACCGAC	1080
BCG2	1021	CTAGCCAAAG	GTCTTTTCGAC	GCACGAAGGG	GCGTTACTGT	CCGAACGGGT	GGCCACCGAC	1080
Bov3	1021	CTAGCCAAAG	GTCTTTTCGAC	GCACGAAGGG	GCGTTACTGT	CCGAACGGGT	GGCCACCGAC	1080
Afr1	1021	CTAGCCAAAG	GTCTTTTCGAC	GCACGAAGGG	GCGTTACTGT	CCGAACGGGT	GGCCACCGAC	1080
Mic1	1021	CTAGCCAAAG	GTCTTTTCGAC	GCACGAAGGG	GCGTTACTGT	CCGAACGGGT	GGCCACCGAC	1080

40kD	1081	CTGGGGGTGC	CGTTCACCGA	GCCCGCCAGC	GTGCTGGCCT	GACTCTCGGC	CGCTCGTTAC	1140
Tub1	1081	CTGGGGGTGC	CGTTCACCGA	GCCCGCCAGC	GTGCTGGCCT	GACTCTCGGC	CGCTCGTTAC	1140
H37Rv	1081	CTGGGGGTGC	CGTTCACCGA	GCCCGCCAGC	GTGCTGGCCT	GACTCTCGGC	CGCTCGTTAC	1140
H37Ra	1081	CTGGGGGTGC	CGTTCACCGA	GCCCGCCAGC	GTGCTGGCCT	GACTCTCGGC	CGCTCGTTAC	1140
BCG4	1081	CTGGGGGTGC	CGTTCACCGA	GCCCGCCAGC	GTGCTGGCCT	GACTCTCGGC	CGCTCGTTAC	1140
BCG2	1081	CTGGGGGTGC	CGTTCACCGA	GCCCGCCAGC	GTGCTGGCCT	GACTCTCGGC	CGCTCGTTAC	1140
Bov3	1081	CTGGGGGTGC	CGTTCACCGA	GCCCGCCAGC	GTGCTGGCCT	GACTCTCGGC	CGCTCGTTAC	1140
Afr1	1081	CTGGGGGTGC	CGTTCACCGA	GCCCGCCAGC	GTGCTGGCCT	GACTCTCGGC	CGCTCGTTAC	1140
Mic1	1081	CTGGGGGTGC	CGTTCACCGA	GCCCGCCAGC	GTGCTGGCCT	GACTCTCGGC	CGCTCGTTAC	1140

Table 1. Demographic characteristics of the study population	
Age (years)	Mean (SD)
18-24	20.5 (2.5)
25-34	29.5 (4.5)
35-44	39.5 (5.5)
45-54	49.5 (6.5)
55-64	59.5 (7.5)
65-74	69.5 (8.5)
75-84	79.5 (9.5)
85-94	89.5 (10.5)
95-104	99.5 (11.5)
105-114	109.5 (12.5)
115-124	119.5 (13.5)
125-134	129.5 (14.5)
135-144	139.5 (15.5)
145-154	149.5 (16.5)
155-164	159.5 (17.5)
165-174	169.5 (18.5)
175-184	179.5 (19.5)
185-194	189.5 (20.5)
195-204	199.5 (21.5)
205-214	209.5 (22.5)
215-224	219.5 (23.5)
225-234	229.5 (24.5)
235-244	239.5 (25.5)
245-254	249.5 (26.5)
255-264	259.5 (27.5)
265-274	269.5 (28.5)
275-284	279.5 (29.5)
285-294	289.5 (30.5)
295-304	299.5 (31.5)
305-314	309.5 (32.5)
315-324	319.5 (33.5)
325-334	329.5 (34.5)
335-344	339.5 (35.5)
345-354	349.5 (36.5)
355-364	359.5 (37.5)
365-374	369.5 (38.5)
375-384	379.5 (39.5)
385-394	389.5 (40.5)
395-404	399.5 (41.5)
405-414	409.5 (42.5)
415-424	419.5 (43.5)
425-434	429.5 (44.5)
435-444	439.5 (45.5)
445-454	449.5 (46.5)
455-464	459.5 (47.5)
465-474	469.5 (48.5)
475-484	479.5 (49.5)
485-494	489.5 (50.5)
495-504	499.5 (51.5)
505-514	509.5 (52.5)
515-524	519.5 (53.5)
525-534	529.5 (54.5)
535-544	539.5 (55.5)
545-554	549.5 (56.5)
555-564	559.5 (57.5)
565-574	569.5 (58.5)
575-584	579.5 (59.5)
585-594	589.5 (60.5)
595-604	599.5 (61.5)
605-614	609.5 (62.5)
615-624	619.5 (63.5)
625-634	629.5 (64.5)
635-644	639.5 (65.5)
645-654	649.5 (66.5)
655-664	659.5 (67.5)
665-674	669.5 (68.5)
675-684	679.5 (69.5)
685-694	689.5 (70.5)
695-704	699.5 (71.5)
705-714	709.5 (72.5)
715-724	719.5 (73.5)
725-734	729.5 (74.5)
735-744	739.5 (75.5)
745-754	749.5 (76.5)
755-764	759.5 (77.5)
765-774	769.5 (78.5)
775-784	779.5 (79.5)
785-794	789.5 (80.5)
795-804	799.5 (81.5)
805-814	809.5 (82.5)
815-824	819.5 (83.5)
825-834	829.5 (84.5)
835-844	839.5 (85.5)
845-854	849.5 (86.5)
855-864	859.5 (87.5)
865-874	869.5 (88.5)
875-884	879.5 (89.5)
885-894	889.5 (90.5)
895-904	899.5 (91.5)
905-914	909.5 (92.5)
915-924	919.5 (93.5)
925-934	929.5 (94.5)
935-944	939.5 (95.5)
945-954	949.5 (96.5)
955-964	959.5 (97.5)
965-974	969.5 (98.5)
975-984	979.5 (99.5)
985-994	989.5 (100.5)
995-1004	999.5 (101.5)
1005-1014	1009.5 (102.5)
1015-1024	1019.5 (103.5)
1025-1034	1029.5 (104.5)
1035-1044	1039.5 (105.5)
1045-1054	1049.5 (106.5)
1055-1064	1059.5 (107.5)
1065-1074	1069.5 (108.5)
1075-1084	1079.5 (109.5)
1085-1094	1089.5 (110.5)
1095-1104	1099.5 (111.5)
1105-1114	1109.5 (112.5)
1115-1124	1119.5 (113.5)
1125-1134	

Fig. 3.19